

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A digital telecommunication station operative in a telecommunication network and comprising:

at least one detector operative to receive at least two different types of signals and determine their type;

at least one switch controlled by one of said at least one detector, operative to channel signals received in accordance with the determination made by said one of the at least one detector;

a first transmission means operative to transmit the received signals along a first transmission path, wherein signals of at least one type selected from among said at least two different types of signals are ~~may be~~ diverted from the first transmission path along which signals of the other types are transmitted; and

a second transmission means operative to transmit the diverted signals of the at least one type along a second transmission path.

2. (Original) A digital telecommunication station according to Claim 1, further comprising a storage capable of storing diverted signals of said at least one type.

3. (Original) A digital telecommunication station according to Claim 1, further comprising at least two different pairs of compressing/decompressing devices.

4. (Original) A digital telecommunication station according to Claim 1, wherein said signals of the at least one type to be diverted are facsimile signals.

5. (Original) A digital telecommunication station according to Claim 4, further comprising a device for demodulating/re-modulating said facsimile signals.

6. (Original) A digital telecommunication station according to Claim 5, wherein said demodulating/re-modulating device comprises facsimile signal demodulator/re-modulator and forward error correction apparatus wherein the forward error correction apparatus is operative to protect the output of the facsimile demodulator.

7. (Original) A digital telecommunication station according to Claim 1, wherein said signals of the at least one type to be diverted are signals used for a service that requires a lower class of quality.

8. (Original) A digital telecommunication station according to Claim 3 and further comprising:  
first identifier for determining whether the signals received are of a digital compressed form;  
second identifier for determining whether the transmission path along which the signals will be transmitted includes at least one further operative means adapted for decompressing the signals when being transmitted in their compressed form;  
third transmission means operative in response to a determination made by the second identifier that the transmission path does not include at least one further operative means adapted for decompressing the signals when being transmitted in their compressed form; and  
fourth transmission means operative in response to a determination made by the second identifier that the transmission path does include at least one further operative means adapted for decompressing the signals being transmitted in their compressed form into the decompressed digital output signals.

9. (Original) A telecommunication system comprising:

at least one transmitter at at least a first end of the transmission network;

at least one receiver at at least a second end of  
the transmission network; and

at least one digital telecommunication station of  
Claim 1.

10. (Original) A telecommunication system  
comprising:

at least one transmitter at at least a first end of  
the transmission network;

at least one receiver at at least a second end of  
the transmission network; and

at least one pair of digital telecommunication  
stations of Claim 3.

11. (Original) A telecommunication system  
according to Claim 10, wherein at least one pair of  
telecommunication stations is selectively operated.

12. (Original) A telecommunication system  
according to Claim 9, wherein said at least one of digital  
telecommunication station is capable of establishing a  
communication connection with more than two digital  
communication stations.

13. (Original) A method for transmission of telecommunication signals of at least two different types, the method comprising:

i) determining the type of the signals received and distinguishing therefrom signals of at least one pre-defined type from signals of other types;

ii) based on step i), diverting signals of a pre-defined type from a first transmission path along which signals of the other types are transmitted;

iii) transmitting the signals of the other types along the first transmission path; and

iv) transmitting the diverted signals along a second transmission path.

14. (Original) A method according to Claim 13, wherein the diverted signals are stored and transmitted at a later stage via said first transmission path.

15. (Original) A method according to Claim 14, wherein the diverted signals are stored in a storage means prior to their transmittal along a second transmission path.